

031104

20427 U.S. PTO

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.

BERR1100-1

First Inventor or Application Identifier

Berrier, Keith L.

Title

**SYSTEMS AND METHODS FOR RECONSTRUCTING
INFORMATION USING A DUNCAN AND HORN
FORMULATION OF THE KALMAN FILTER FOR
REGULARIZATION**

Express Mail Label No.

EU826440580US

22859 U.S. PTO
10/799560

031104

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

1. ☒ **Fee Transmittal for FY 2004**
(Submit an original and a duplicate for fee processing)
2. ☒ **Specification** [Total Pages] **24**
(preferred arrangement set forth below)
- ☒ Title Page
 - ☒ Descriptive Title of the Invention
 - ☒ Related Applications
 - ☒ Background of the Invention
 - ☒ Summary of the Invention
 - ☒ Brief Description of the Drawings (if filed)
 - ☒ Description of Preferred Embodiments
 - ☐ References
 - ☒ Claim(s)
 - ☒ Abstract of the Disclosure

6. ☐ Microfiche Computer Program (Appendix)
7. ☐ Nucleotide and Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer-Readable Copy
 - b. ☐ Paper Copy (identical to computer copy)
 - c. ☐ Statement verifying identity of above copies

3. ☒ **Drawing(s)** (35 USC 113) [Total Sheets] **5**
4. ☒ **Oath or Declaration** [Total Pages] **2**
- a. ☒ Newly executed / (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
5. ☐ **Incorporation By Reference** (useable if box 4b is checked).
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard
14. ☐ Small Entity ☐ Statement filed in prior application, Status still proper and desired
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☒ Other: **Certificate of Mailing; Request for Non-Publication; Credit Card Payment Form**

17. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment

☐ Continuation ☐ Divisional ☐ Continuation-In-Part (CIP) of prior Application No.: _____

Prior application information: Examiner _____ Group / Art Unit _____

☒ Claims the benefit of Provisional Application No. 60/454,204

CORRESPONDENCE ADDRESS:

Law Offices of Mark L. Berrier
1250 Capital of Texas Highway South, Building II, Suite 216
Austin, TX 78746
Tel. (512) 329-2655
Fax. (512) 330-1710

Customer No. :

TYPED or PRINTED NAME **Mark L. Berrier**REGISTRATION NO. **35,066**

SIGNATURE

DATE:

3/11/04

20427
U.S. PTO
031104

PTO/SB/17 (11-01)

Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2004

Effective 01/01/2003. Patent fees are subject to annual revision.

Complete if Known

Application Number	Unknown
Filing Date	March 11, 2004
First Named Inventor	Berrier, Keith L.
Examiner Name	Unknown
Art Unit	Unknown
Attorney Docket No.	BERR1100-1

TM Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT	(\$) 385.00
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METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit Card ☐ Money Order ☐ Other ☐ None

Deposit Account Number

Deposit Account Name

The Commissioner is authorized to: (check all that apply)

☐ Charge (fees) indicated below. ☐ Credit any overpayments

☐ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	385.00
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$)770.00****

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	20	-20** =	0	X	18	=	\$0.00
Independent Claims	2	-3** =	0	X	86	=	\$0.00
Multiple Dependent		X		=			

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)0.00****

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	


Other fee (specify)

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)0.00****

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Mark L. Berrier	Registration No. (Attorney/Agent)	35,066	Telephone	512-329-2655
Signature		Date	3/11/04		

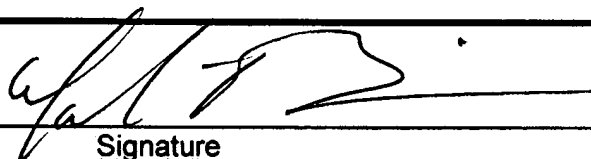
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)	First Named Inventor	Berrier, Keith L.
	Title	Systems And Methods For Reconstructing Information Using A Duncan And Horn Formulation Of The Kalman Filter For Regularization
	Atty Docket Number	BERR1100-1

I hereby certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

March 11, 2004
Date


Signature

Mark L. Berrier
Typed or printed name

This request must be signed in compliance with 37 C.F.R. 1.33(b) and submitted with the application **upon filing.**


Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE	
CERTIFICATE OF MAILING BY "EXPRESS MAIL"	Atty Docket No. (Optional) BERR1100-1
Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Sir:	In the Application of: Berrier, Keith L.
	Date Filed: March 11, 2004
	Title: SYSTEMS AND METHODS FOR RECONSTRUCTING INFORMATION USING A DUNCAN AND HORN FORMULATION OF THE KALMAN FILTER FOR REGULARIZATION

I hereby certify that the attached Utility Patent Application (including 1 title page, 23 pages of specification and 5 pages of drawings), Utility Patent Application Transmittal Form, Fee Transmittal, executed Declaration and Power of Attorney, Request for Non-Publication, Credit Card Payment Form and Postcard are being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Certificate No. **EU826440580US**, on **March 11, 2004**, addressed to: **Mail Stop Patent Application**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,



Mark L. Berrier